



SS-DF-200

Features:

- Parameters: ECG (5 leads) & Defibrillation
- Mode: Automated external defibrillation
- 7" Colour TFT Display with built in thermal printer
- Offers variable energy level selection (2,3,5,10,20,30,50,70,100,150,200 Joules)
- Battery capacity : 70-100 shocks on single charge; Charging time 6 sec on mains
- Adult & pediatric paddles support
- Compact & Light weight with voice prompt facility
- Synchronized cardio version facility
- Reusable CPR feedback sensor facility with ability to filter out CPR artefacts without interrupting chest compression
- Dust proof & water proof
- Suitable for transportation in ambulance as well as high altitudes / aircrafts
- Optional : SpO₂, NIBP, EtCO₂, Internal Paddles, Pacer, Stainless steel Trolley

Technical Specifications:

1. General

Display : 7" high resolution Colour TFT
Display area : 150 mm x 90 mm
Dimensions : H280 x W 330 x D220 mm (Max) without Paddle
Weight : Approx. 6 Kgs.
Unit ON-OFF : By front panel push button
Operation : By front Panel keyboard, Encoder
Alarm : User adjustable high & low limit, Audible and visual alarming
Trend : 24hrs Graphical and Tabular trend facility
Charge/ Discharge Control : Charge and Shock buttons on front panel and paddles.

2. Power Supply

Input : 150 - 276 VAC, 50 Hz, 1 Ø
Battery : 12 V 4.5Ah, Rechargeable, (Sealed Lead Acid)
Back-up time : 3 hours min. on full charge in ECG mode
70-100 shock of 150 Joules deliveries (Full charge).
Power consumption : 30 Watts (max.) in ECG mode

3. Environmental

Operating Temp. : -5°C to +50 °C
Humidity : Up to 95 % non-condensing

4. Defib (External Paddles)

Operating Mode : Manual
Type of external pacing modes : Both Demand mode and fixed mode
Waveform : Biphasic Truncated Exponential
Energy : 2 to 200 joules in 12 steps selection
Energy display : Displays selected and charged/delivered energy
Synchronous Cardio Version : Energy delivery begins within 60 ms of the QRS Peak
Charging Time : 6 seconds on Mains
Paddle Assembly : External paddle assembly with coil retractable high voltage cable.
Adults & Pediatric paddle integrated to same handle
Check Mode : Manual check mode
Patient Impedance range : 35 ohm to 250 ohm
Shock Delivery : Through paddles or pads

5. ECG

Frequency response : 0.5 Hz to 35 Hz
Patient isolation : Optical isolation
Lead selection : Lead I, II, III, IV & V
Gain setting : 0.5, 1.0 and 2.0
CMRR : > 90 db
Sweep Speed : 12.5, 25.0, 50.0 mm/sec
Digital filter : Digital signal processing for good quality of ECG
ECG traces viewing : 4 seconds of ECG traces can be viewed

6. Heart Rate

Range : 10 - 250 BPM
Accuracy : +/- 2 BPM
Resolution : 1 BPM
Tone : Beep on every QRS detected
Alarm limit setting : 10 - 250 (step of 1)

7. SpO2 (On Demand)

Range : 0 - 100%
Accuracy : ± 2% (70 ~ 100% SpO2)
± 3% (35 ~ 69% SpO2)
Pulse rate : Displayed in ECG window, when PR is selected
Pulse beep : Yes, with volume control
PR Range : 10 to 250 bpm (+/- 2 bpm)
Pitch variation with change in oxygen saturation

8. NIBP (On Demand)

Systolic, Diastolic and Mean arterial pressure
Range : 10-250mmHg
Method : Oscillometric
NIBP interval : User selectable, 2 min. to 250 min
Modes : Manual, auto
Cuff deflation : Automatic
Safety features : Automatic deflation if cuff pressure exceeds 280 mmHg

9. EtCO2 (On Demand)

Parameter : EtCO2, RR
Adaptor : Adult, Pediatric, Neonate
Measurement Mode : Mainstream & Side stream
EtCO2 Range : 0-100 mmHg
Accuracy : +/- 2mmHg
Respiration Range : 0-120 bpm

10. AED Mode (On Demand)

Wave form : Biphasic truncated exponential
AED Shock Series : Energy level 200J
Charge Command : Automatic after identifying shockable rhythm
Shock Command : Front panel button, shock
Controls : Analyze
Defibrillation Electrode : Self adhesive, adult pads
Voice and Text prompts : Extensive text and audible messages to guide user

11. Defib (Internal Paddles) (On Demand)

Operating Mode : Manual
Waveform : Biphasic Truncated Exponential
Energy : 2 to 50 joules in 8 steps selection
Synchronous Cardio Version : Energy delivery begins within 60 ms of the QRS Peak
Charging Time : 6 seconds on Mains
Paddle Assembly : Internal paddle assembly with paddle extension cord

12. Printer

Paper Type : Thermal paper 50/55mm width, 20m length for 2" printer
Event Printing : Prints 5 Seconds pre & post ECG with Date, Time, Energy and mode, Shock Status
ECG in Defibrillator Mode : Prints last 10sec ECG through paddle
Print Annotates in Defib. Mode : Time, Date, Mode, lead name, gain, sweep speed
ECG in Monitor Mode : Prints last 10sec ECG through cable
Print Annotates in Monitor Mode : Time, Date, selected Lead name, Gain, Sweep speed
Manual Defibrillator Check Mode : Prints the status of Shock, Energy, Date and Time

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